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OM protein - protein search, using sw model

Run on: December 13, 2002, 23:27:18 : Search time 27 Seconds

(without alignments)
58.846 Million cell updates/sec

Title: US-09-659-737A-2

Perfect score: 293
Sequence: 1 HBDIKRGNLLEKTEHDDI.....EWHRTTKMSTAGYAMAPE 54

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	DB ID	Description
1	173	59.0	45	1	US-08-222-616-14 Sequence 14, Appl
2	173	59.0	45	4	US-08-446-648-14 Sequence 14, Appl
3	173	59.0	45	5	PCT-US95-04228-14 Sequence 14, Appl
4	124.5	42.5	668	1	US-08-205-018-2 Sequence 2, Appl1
5	124.5	42.5	859	1	US-08-395-580-2 Sequence 2, Appl1
6	124.5	42.5	859	5	PCT-US95-02792-2 Sequence 2, Appl1
7	114	38.9	455	3	US-09-221-235-5 Sequence 5, Appl1
8	114	38.9	455	3	US-09-221-928-5 Sequence 5, Appl1
9	114	38.9	455	4	US-09-221-527-5 Sequence 5, Appl1
10	114	38.9	455	4	US-09-221-527-5 Sequence 5, Appl1
11	114	38.9	455	4	US-09-221-236-5 Sequence 5, Appl1
12	114	38.9	455	4	US-09-221-416-5 Sequence 5, Appl1
13	114	38.9	455	4	US-09-163-115-5 Sequence 5, Appl1
14	114	38.9	455	4	US-09-221-528-5 Sequence 5, Appl1
15	114	38.9	455	4	US-09-593-553-5 Sequence 5, Appl1
16	114	38.9	455	4	US-09-221-237-5 Sequence 5, Appl1
17	102.5	35.0	270	2	US-07-857-224B-76 Sequence 76, Appl1
18	100	34.1	271	3	US-09-035-706-6 Sequence 6, Appl1
19	100	34.1	271	3	US-08-955-841-6 Sequence 6, Appl1
20	100	34.1	271	4	US-09-390-425-6 Sequence 6, Appl1
21	100	34.1	271	4	US-09-566-906-6 Sequence 6, Appl1
22	100	34.1	857	1	US-07-717-331F-2 Sequence 2, Appl1
23	99	33.8	858	2	US-08-265-628-2 Sequence 2, Appl1
24	98	33.4	77	2	US-08-469-537A-46 Sequence 46, Appl1
25	98	33.4	263	3	US-09-035-706-5 Sequence 5, Appl1
26	98	33.4	263	3	US-08-955-841-5 Sequence 5, Appl1
27	98	33.4	263	4	US-09-390-425-5 Sequence 5, Appl1

28	98	33.4	263	4	US-09-566-906-5	Sequence 5, Appl1
29	98	33.4	821	1	US-07-928-464-2	Sequence 2, Appl1
30	98	33.4	821	1	US-08-003-311B-2	Sequence 2, Appl1
31	98	33.4	821	1	US-08-261-432-2	Sequence 2, Appl1
32	98	33.4	821	5	PCT-US93-07347-2	Sequence 2, Appl1
33	98	33.4	1360	4	US-09-393-559-2	Sequence 2, Appl1
34	97.5	33.3	267	2	US-07-857-224B-42	Sequence 42, Appl1
35	97	33.1	293	2	US-08-701-191A-16	Sequence 6, Appl1
36	97	33.1	866	4	US-09-390-326-6	Sequence 6, Appl1
37	97	33.1	857	1	US-07-717-331F-3	Sequence 36, Appl1
38	97	33.1	1089	1	US-08-180-195-36	Sequence 36, Appl1
39	97	33.1	1089	1	US-08-168-917-4	Sequence 36, Appl1
40	97	33.1	1089	1	US-08-477-329-36	Sequence 36, Appl1
41	97	33.1	1089	2	US-08-475-458-36	Sequence 36, Appl1
42	97	33.1	1089	2	US-08-460-510-4	Sequence 4, Appl1
43	97	33.1	1089	2	US-08-460-490-4	Sequence 4, Appl1
44	97	33.1	1089	3	US-08-980-400-36	Sequence 36, Appl1
45	97	33.1	1089	3	US-08-462-728-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-222-616-14
; Sequence 14, Application US/08222616
; Patent No. 5635177
; GENERAL INFORMATION:
; APPLICANT: Bennett, Brian D.
; APPLICANT: Goeddel, David
; APPLICANT: Lee, James M.
; APPLICANT: Matthews, William
; APPLICANT: Tsai, Siao Ping
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,616
; FILING DATE: 4-APR-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/00586
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/826935
; FILING DATE: 22-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 821P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-222-616-14

Query Match 59.0%; Score 173; DB 1; Length 45;
Best Local Similarity 74.4%; Pred. No. 5.9e-18;
Matches 32; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 1 HRDIKAGNILLLEKIEHDDCNKTLKTDGGLAREWHRTTKMS 43
DB 2 HRDLKSNMILLLOPIESDMEHRTKLTDFGLAREWHRTTKMS 44

RESULT 2

US-08-446-648-14
Sequence 14, Application US/08446648
Patent No. 6331302
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Bennett, Brian D.
APPLICANT: Goeddel, David
APPLICANT: Lee, James M.
APPLICANT: Matthews, William
APPLICANT: Tsai, Siao Ping
APPLICANT: Wood, William I.
TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST ANTIBODIES
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446, 648
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/222616
FILING DATE: 04-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0821P3PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-08-446-648-14

Query Match 59.0%; Score 173; DB 4; Length 45;
Best Local Similarity 74.4%; Pred. No. 5.9e-18;
Matches 32; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 1 HRDIKAGNILLLEKIEHDDCNKTLKTDGGLAREWHRTTKMS 43
DB 2 HRDLKSNMILLLOPIESDMEHRTKLTDFGLAREWHRTTKMS 44

RESULT 3

PCT-US95-04228-14
Sequence 14, Application PC/TUS9504228
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Bennett, Brian D.

APPLICANT: Goeddel, David
APPLICANT: Lee, James M.
APPLICANT: Matthews, William
APPLICANT: Tsai, Siao Ping
APPLICANT: Wood, William I.
TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST ANTIBODIES
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04228
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/222616
FILING DATE: 04-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wendy M. Lee
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 821P3PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US95-04228-14

Query Match 59.0%; Score 173; DB 5; Length 45;
Best Local Similarity 74.4%; Pred. No. 5.9e-18;
Matches 32; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 1 HRDIKAGNILLLEKIEHDDCNKTLKTDGGLAREWHRTTKMS 43
DB 2 HRDLKSNMILLLOPIESDMEHRTKLTDFGLAREWHRTTKMS 44

RESULT 4

US-08-205-018-2
Sequence 2, Application US/08205018
Patent No. 5554523
GENERAL INFORMATION:
APPLICANT: Reddy, Usharani R.
APPLICANT: Pleasure, David
TITLE OF INVENTION: No. 5554523el Protein Kinase, Nucleic Acid
TITLE OF INVENTION: Sequences Encoding the Same and Methods Related
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and
ADDRESS: No. 5554523ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

1 APPLICANT: Acton, Susan
 2 TITLE OF INVENTION: NOVEL CSAK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
 3 FILE REFERENCE: MNI -050
 4 CURRENT APPLICATION NUMBER: US/09/221,245
 5 CURRENT FILING DATE: 1998-12-28
 6 EARLIER APPLICATION NUMBER: US 09/163,115
 7 EARLIER FILING DATE: 1998-09-29
 8 NUMBER OF SEQ. ID NOS.: 15

SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-221-245-5

Query Match
Best Local Similarity 38.9%; Score 114; DB 4; Length 455;
42.6%; Pred. No. 3.1e-08;
Matches 23; Conservative 9; Mismatches 14; Indels 8; Gaps 1;

OY 1 HRDIKAGNILLLEKIEHDDICNKTITDFGLAREWHRTTKMSTAGTYAMAPE 54
||||:|:::| : ||| ||| : | : ||| ||| : ||| |||
Db 131 HRDLKSRNVYI-----AADGVLLKICDFGASRFHNHTTHMSLVGTFFPMMAPE 176

RESULT 13
; Sequence 5, Application US/09163115A
; Patent No. 6181962
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/163,115A
; CURRENT FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-163-115-5

Query Match
Best Local Similarity 38.9%; Score 114; DB 4; Length 455;
42.6%; Pred. No. 3.1e-08;
Matches 23; Conservative 9; Mismatches 14; Indels 8; Gaps 1;

OY 1 HRDIKAGNILLLEKIEHDDICNKTITDFGLAREWHRTTKMSTAGTYAMAPE 54
||||:|:::| : ||| ||| : | : ||| ||| : ||| |||
Db 131 HRDLKSRNVYI-----AADGVLLKICDFGASRFHNHTTHMSLVGTFFPMMAPE 176

RESULT 14
US-09-221-528-5
; Sequence 5, Application US/09221528
; Patent No. 6190874
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/221,528
; CURRENT FILING DATE: 1998-12-28
; EARLIER APPLICATION NUMBER: 09/163,115
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-221-528-5

Query Match
Best Local Similarity 38.9%; Score 114; DB 4; Length 455;
42.6%; Pred. No. 3.1e-08;
Matches 23; Conservative 9; Mismatches 14; Indels 8; Gaps 1;

OY 1 HRDIKAGNILLLEKIEHDDICNKTITDFGLAREWHRTTKMSTAGTYAMAPE 54
||||:|:::| : ||| ||| : | : ||| ||| : ||| |||
Db 131 HRDLKSRNVYI-----AADGVLLKICDFGASRFHNHTTHMSLVGTFFPMMAPE 176

RESULT 15

US-09-593-553-5
; Sequence 5, Application US/09593553
; Patent No. 620770
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMI-050
; CURRENT APPLICATION NUMBER: US/09/593,553
; CURRENT FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-28
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 455
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-593-553-5

Query Match
Best Local Similarity 38.9%; Score 114; DB 4; Length 455;
42.6%; Pred. No. 3.1e-08;
Matches 23; Conservative 9; Mismatches 14; Indels 8; Gaps 1;

OY 1 HRDIKAGNILLLEKIEHDDICNKTITDFGLAREWHRTTKMSTAGTYAMAPE 54
||||:|:::| : ||| ||| : | : ||| ||| : ||| |||
Db 131 HRDLKSRNVYI-----AADGVLLKICDFGASRFHNHTTHMSLVGTFFPMMAPE 176

Search completed: December 13, 2002, 23:32:53
Job time : 30 secs

